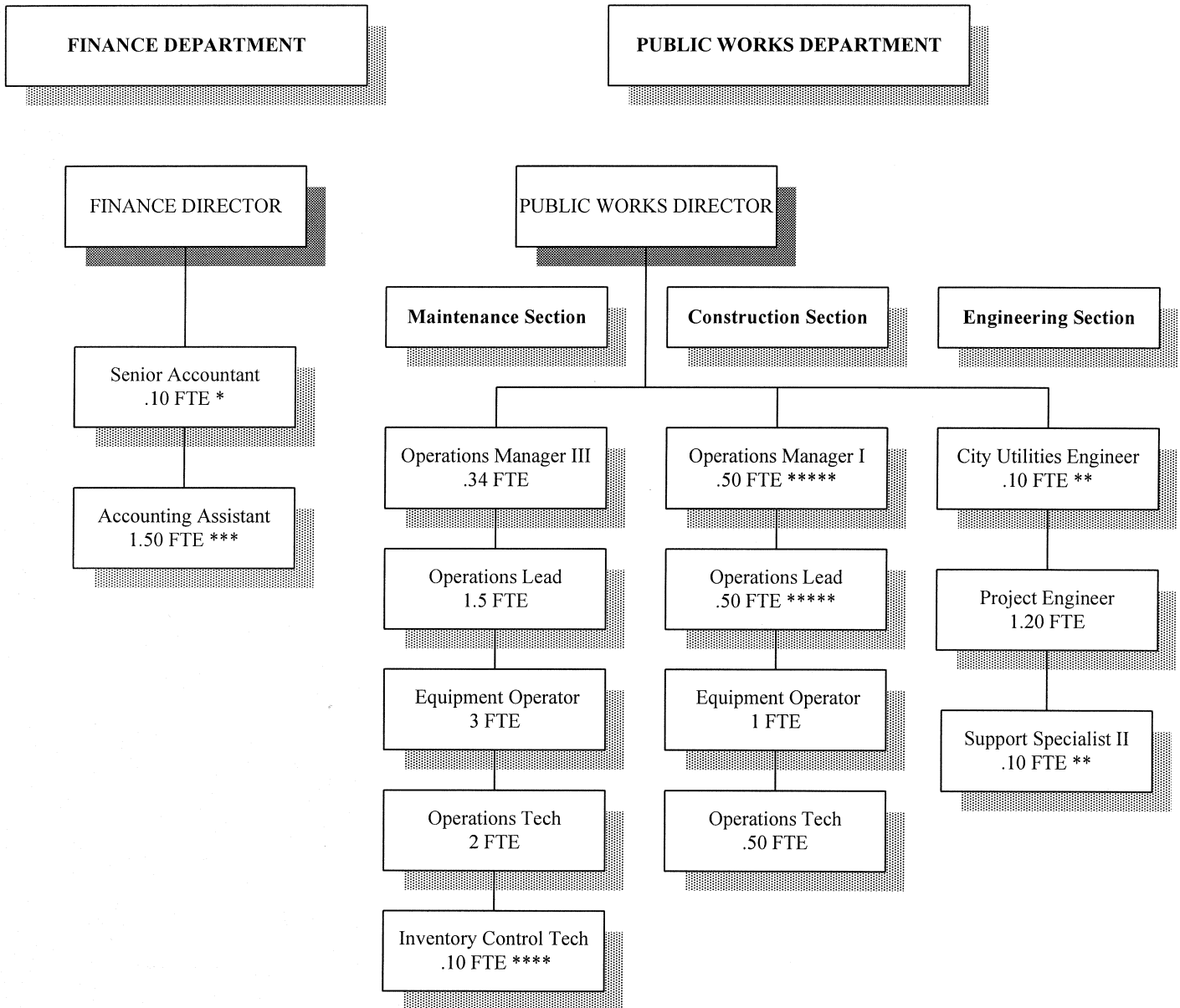


Sewer Fund

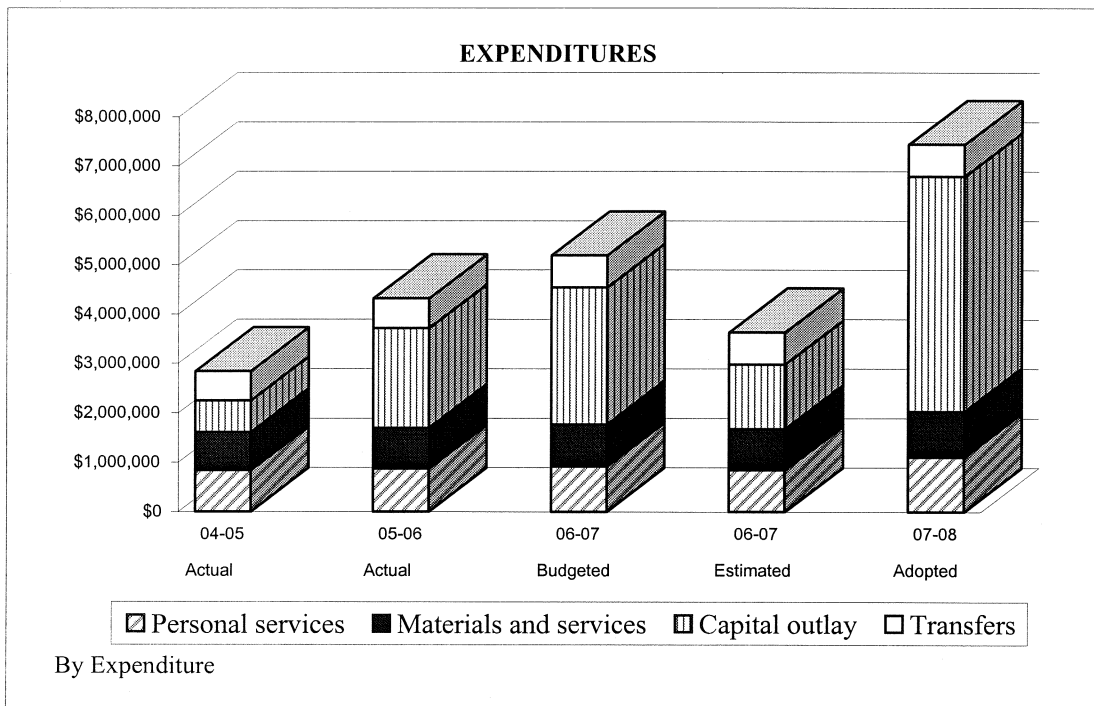
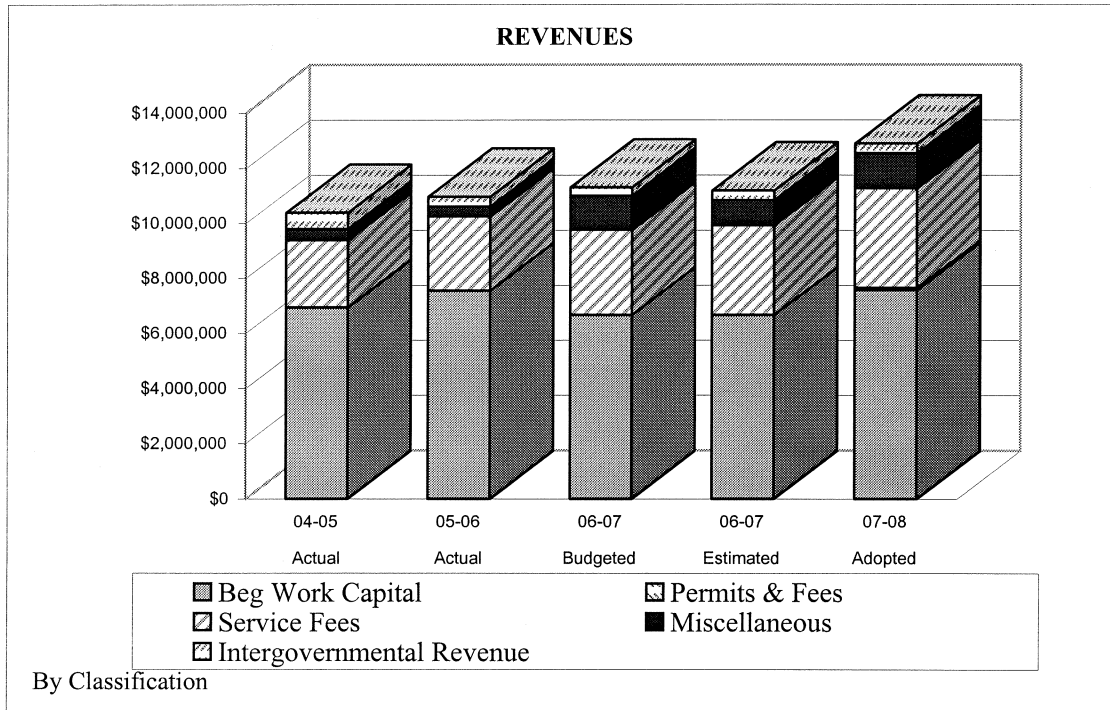
FY 2007-08 BUDGETED POSITIONS



- * Partially funded in General/Water/Sewer/Storm Drain Funds
- ** Partially funded in Water/Sewer/Storm Drain Funds
- *** Partially funded in Water and Sewer Funds
- **** Partially funded in General/Street/Water/Sewer/Storm Drain Funds
- ***** Partially funded in Sewer and Storm Drain Funds

SEWER FUND

ADOPTED FY 2007-08



CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET

**SEWER FUND (MAJOR FUND)
SUMMARY OF REVENUES AND EXPENDITURES
AND OTHER FINANCING SOURCES & USES**

	FY 2004-05 Actual	FY 2005-06 Actual	FY 2006-07 Budgeted	FY 2006-07 Estimated	FY 2007-08 Adopted
Revenues:					
Interest on investments	\$178,870	\$311,246	\$297,000	\$340,000	\$350,000
Intergovernmental revenue	0	0	930,000	481,000	815,000
Charges for services	3,032,792	3,073,117	3,394,777	3,613,663	3,977,000
Project engineering charges	141,136	23,452	0	100,000	100,000
Miscellaneous	92,533	22,371	20,000	600	0
Sub Total Revenues	<u>\$3,445,331</u>	<u>\$3,430,186</u>	<u>\$4,641,777</u>	<u>\$4,535,263</u>	<u>\$5,242,000</u>
Expenditures:					
Personal services	\$834,485	\$869,618	\$910,966	\$841,567	\$1,105,208
Materials & services	774,335	826,696	854,024	834,869	918,333
Capital outlay	639,197	2,012,981	2,771,600	1,302,600	4,766,000
Sub Total Expenditures	<u>\$2,248,017</u>	<u>\$3,709,296</u>	<u>\$4,536,590</u>	<u>\$2,979,036</u>	<u>\$6,789,541</u>
Revenues Over/Under Expenditures	\$1,197,314	(\$279,110)	\$105,187	\$1,556,227	(\$1,547,541)
Other financing sources (uses):					
Transfers in	\$10,897	\$0	\$0	\$0	\$80,000
Transfers out	(593,594)	(604,057)	(649,642)	(649,642)	(648,062)
Total Other Financing Sources (Uses):	<u>(\$582,697)</u>	<u>(\$604,057)</u>	<u>(\$649,642)</u>	<u>(\$649,642)</u>	<u>(\$568,062)</u>
Net Change in Fund Balance	\$614,618	(\$883,167)	(\$544,455)	\$906,585	(\$2,115,603)
Fund Balance/Working Capital					
Beginning of Year	<u>6,929,016</u>	<u>7,543,633</u>	<u>6,660,467</u>	<u>6,660,467</u>	<u>7,567,052</u>
Fund Balance (Contingency)/Working Capital End of Year	<u>\$7,543,633</u>	<u>\$6,660,467</u>	<u>\$6,116,012</u>	<u>\$7,567,052</u>	<u>\$5,451,449</u>

Contingency for FY 2007-08 adopted budget is available for appropriation upon the City Council's approval. The contingency consists of \$3.1 million which is available for continuing operations and future system re-construction needs and \$2.4 million from system development fees which are designated for future system capacity improvements as identified in the City's Capital Improvement Plan.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - OPERATIONS
	DEPARTMENT HEAD: GARY BRENTANO

MISSION STATEMENT:

Provide a wastewater collection system that functions reliably, that is routinely subject to preventive maintenance inspections and repairs and that satisfies all of the requirements of the Clean Water Act and City Municipal Code. Provide assistance and recommendations to residents and property owners that experience problems in private wastewater collection and piping systems.

REQUIREMENTS	FY 2004-05 ACTUAL	FY 2005-06 ACTUAL	FY 2006-07 BUDGETED	FY 2007-08 PROPOSED	FY 2007-08 ADOPTED
POSITION	10.75	11.39	10.44	12.44	12.44
PERSONAL SERVICES	\$834,484	\$869,619	\$910,966	\$1,105,208	\$1,105,208
MATERIALS & SERVICES	774,339	826,699	854,024	918,333	918,333
CAPITAL OUTLAY	639,197	2,012,981	2,771,600	4,766,000	4,766,000
TRANSFERS	593,593	604,057	649,642	648,062	648,062
CONTINGENCY	0	0	6,116,012	5,451,449	5,451,449
TOTAL	\$2,841,613	\$4,313,356	\$11,302,244	\$12,889,052	\$12,889,052

Funding Sources:	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2007-08
Beginning Working Capital	\$6,929,016	\$7,543,633	\$6,660,467	\$7,567,052	\$7,567,052
Permits & Fees	588,655	364,084	300,000	350,000	350,000
Sewer Service Fees	2,444,137	2,709,033	3,094,777	3,627,000	3,627,000
Miscellaneous Revenues	412,540	357,069	1,247,000	1,265,000	1,265,000
Transfers from Other Funds	10,897	0	0	80,000	80,000

Sewer Projects:

3811 Sewer Collection System	\$196,176	\$1,114,802	\$333,000	\$2,809,400	\$2,809,400
3850 Maintenance & Replacement	337,165	795,528	2,242,000	1,315,600	1,315,600
3852 Renewal & Rehabilitation Projects	0	0	170,000	370,000	370,000

	FY 2003-04 Actual	FY 2004-05 Actual	FY 2005-06 Budgeted	FY 2007-08 Adopted
Sewer Fund Budget Cost Per Capita (less contingency)	\$35.81	\$51.91	\$61.54	\$87.40
Sewer Fund Budget as Percent of City's Total Budget (less contingencies and capital projects)	2.840%	2.385%	1.879%	1.948%

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 502 SEWER	DEPARTMENT: FINANCE
PROGRAM: 0545 UTILITY BILLING	PROGRAM MANAGER: SHIRLEY KELLY/SUE ANN KONIAK

Program Goal:

To maintain the financial stability for the operation and maintenance of City's sewer system by providing citizens with timely and accurate utility bills and the subsequent collection and deposit of these charges. *(Council Goal #2: Use City resources efficiently to ensure long-term financial stability; #4 Provide responsive, cost-effective service to the community.)*

REQUIREMENTS	FY 2004-05 ACTUAL	FY 2005-06 ACTUAL	FY 2006-07 BUDGETED	FY 2007-08 PROPOSED	FY 2007-08 ADOPTED
POSITION	1.60	1.60	1.60	1.60	1.60
PERSONAL SERVICES	\$90,564	\$94,600	\$103,855	\$107,278	\$107,278
MATERIALS & SERVICES	53,840	58,973	63,250	66,520	66,520
CAPITAL OUTLAY	0	0	0	0	0
TRANSFERS	9,905	9,978	10,571	10,429	10,429
TOTAL	\$154,309	\$163,551	\$177,676	\$184,227	\$184,227

Program Objective (services provided):

- Generate a timely bill to customers for sewer usage and service. Post payments of sewer charges to the appropriate customer account(s).
- Provide citizens with outstanding customer service for the following functions:
 - Information regarding their sewer account(s)
 - Establishing and closing customer accounts
 - Assistance with payment arrangements, delinquent charges, and scheduling a discontinuance of sewer services, when applicable.
- Update and maintain customer records.
- Implement City Code and the Clean Water Services Resolution and Order with respect to sewer service regulations.
- Perform prudent and timely collection practices to maintain a low delinquency and non-payment rate.
- Perform a monthly reconciliation between customer accounts and the general ledger.
- Review winter water consumption reports on an annual basis to insure proper billing of sewer usage.
- Prepare a monthly report and applicable payment to Clean Water Services.

Performance Measures:	FY 2004-05 Projected/Actual	FY 2005-06 Projected/Actual	FY 2006-07 Budgeted/Revised	FY 2007-08 Adopted
Number of accounts	20,003 / 20,165	20,845 / 20,835	21,200 / 21,106	21,475
Number of accounts maintained per FTE	5,001 / 5,041	5,211 / 5,209	5,300 / 5,277	5,369
Avg. Monthly Uncollectable Account Write Offs	\$1,466 / \$1,135	\$1,575 / \$1,553	\$1,375 / \$1,329	\$1,352
Percentage of Account Write Offs of Total Sales *	.68% / .55%	.72% / .71%	.53% / .49%	.45%

* The percent of write off's for Sewer is higher as compared to the write off's of water accounts. Sewer only accounts (where the customer is served water by West Slope or Raleigh Water District) cannot be shut-off for non-payment and are periodically assigned to our collection agency.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: FINANCE
PROGRAM: 0545 UTILITY BILLING	PROGRAM MANAGER: SHIRLEY KELLY/SUE ANN KONIAK

Performance Outcomes:

The program continues to meet the increasing demand for utility billing services with existing resources.

Program Trends, Needs and Performance:

This past fiscal year, the utility billing staff became responsible for additional duties as a result of staff changes and cross training. Some of those duties include: full responsibility for all aspects of billing, with electronic transmission of files to our vendor for printing, stuffing and mailing of the five monthly utility billing groups; importing electronically and committing lockbox payments; transmitting electronically files containing automatic customer payments (electronic funds transfer) taken directly out of the customer's checking account and posting those payments; and generating files through Access for past due notices, reminder past due notices and notification to owners of property where the tenant is past due and electronic transmission of those files to our vendor for printing and mailing. All of these changes have increased efficiency in the department, as well as, providing for essential back up.

During the next fiscal year, we are planning to upgrade our current utility billing software to a newer version that will be either SQL based or .NET based. This will allow for more functionality, as well as, the ability to make some data fixes and changes in-house.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

Program Goal:

The Sewer Enterprise Management and Administration program manages the City sanitary sewer system and provides appropriate management and expenditures of sewer funds.

REQUIREMENTS	FY 2004-05 ACTUAL	FY 2005-06 ACTUAL	FY 2006-07 BUDGETED	FY 2007-08 PROPOSED	FY 2007-08 ADOPTED
POSITION	0.80	1.60	0.40	1.40	1.40
PERSONAL SERVICES	\$82,671	\$86,010	\$52,723	\$156,962	\$156,962
MATERIALS & SERVICES	28,210	16,845	18,920	52,500	52,500
CAPITAL OUTLAY	0	0	0	0	0
TRANSFERS	2,353	3,216	4,485	4,002	4,002
TOTAL	\$113,234	\$106,071	\$76,128	\$213,464	\$213,464

Program Objective (services provided):

Sewer Surcharge Program: This program funds replacement/renewal of existing sanitary sewers, based upon a surcharge on the monthly sewer service rate. The surcharge yields approximately \$1 million per year and funds the annual capital improvement projects related to sanitary sewer lines which have reached the end of their useful life.

Master Planning: This program manages, interprets, and implements the City's sanitary sewer infrastructure master plans for the City sewer system. We work with Clean Water Services (CWS) on their master planning for the facilities they operate within and on behalf of the City. Both the City's and the CWS master plans include projects to replace sanitary lines to increase capacity as necessary, or to improve system reliability. The program also manages the annual Capital Improvement Plan (CIP) for sanitary sewer infrastructure. Preparation of the CIP includes activities such as problem identification, scheduling, and budgeting. The CIP includes extra capacity to accommodate growth and replacement infrastructure projects.

Sewer Resource Policy: Staff in this program provides expertise regarding intergovernmental agreements with Clean Water Services (CWS) and other agencies and represents the City on the CWS/Cities Technical Committee. Program staff also serves on water resource related committees in the region to address various subjects, such as the Endangered Species Act listing of fish, new Metro and CWS water quality rules, and individual projects that apply to sanitary sewer projects.

Sewer Utility Locates: This program also works with the Operations Division of Public Works to fund the subscription contract for Oregon's "one-call" underground locating dispatch system for pending underground sewer system related construction. Underground utilities are marked to meet mandated accuracy standards to minimize damage to a utility, injury to workers involved in excavation, and to reduce interruption of service to residents and businesses in the area.

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

Program Objective (services provided) (continued):

CIP: Prepares the annual update of the Capital Improvement Plan (CIP) for sanitary sewer infrastructure. Preparation of the CIP includes activities such as problem identification, description, selection, scheduling, and budgeting. The CIP includes extra capacity to accommodate growth (extra capacity via size increases or permanent reduction of inflow and infiltration), and replacement infrastructure projects.

Sewer Surcharge Program: Administer a new program for replacement/renewal of existing sanitary sewers funded by a surcharge on the monthly sewer service charge established by City Ordinance 4371 in November 2005. The surcharge started on February 1, 2006, at \$1.00 per month, yielding \$528,000 per year, and increased to \$2.00 per month starting February 1, 2007, yielding approximately \$1 million per year. This program of annual capital improvements is intended to replace/renew sanitary sewer lines which have reached the end of their useful life. Staff in this program will plan, design, and manage construction contracts for the planned capital improvements. All existing sewer lines will be monitored using information reported by the Operations Department and other sources to maintain an inventory of the highest priority sewer lines to be replaced.

Engineering Consultant Coordination: Provide contract administration, coordination, and oversight on consultant contracts to prepare final design, estimates, and construction contract documents for sanitary sewer projects; or, provide expertise and oversight on sanitary sewer design projects delegated to the Engineering Division for implementation.

Construction Contractor Coordination: Provide contract administration, coordination, and oversight on construction contracts to construct sanitary sewer projects; or, provide expertise and oversight on sanitary sewer construction projects delegated to the Engineering Division for implementation.

Coordination of Clean Water Services (CWS)-Funded or Jointly-Funded Sanitary Sewerage Related Projects: Coordinate and provide expertise and oversight on sanitary sewer planning, design, or construction projects on CWS managed projects.

Workload Measures:	FY 2004-05 Projected/Actual	FY 2005-06 Projected/Actual	FY 2006-07 Budgeted/Revised	FY 2007-08 Adopted
Number of miles of sanitary sewer collection system	253 / 260	263 / 263	270 / 265	269
Number of sanitary sewer customer accounts served by the City of Beaverton*	20,003 / 20,165	20,845 / 20,835	21,200 / 21,096	21,445
Number of miles of sewer lines replaced or structurally rehabilitated	0.5 / .3	2.9 / 2.4**	1.3 \ 1.0	2.0

* Figure includes sewer accounts billed by Tualatin Valley Water District.

** Significant line mileage jump due to projects in the Belire and Sandberg neighborhoods, and the Summer Creek trunk replacement.

Performance Outcome:

The Engineering Division exercises prudent management of the sewer revenues by way of using economies of scale through combining sewer projects with other utility and street projects.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

Performance Outcome (continued):

Through sanitary sewer system master planning and CIP implementation, the City will replace and expand the existing infrastructure, where necessary, to improve sewer service to current customers and provide for future customers. Through replacement of existing sewers and therefore reducing infiltration and inflow, current capacity will be available to be used to offset expanded connections to the City's system. Services provided by this program improve sewer capacity that can assist in managing sewer overflows during large storm events.

Program Trends, Needs and Performance:

The number of sanitary sewer customer accounts continues to rise each year with residential, commercial, and industrial growth. A number of sanitary sewer trunks and services are transferred to the City from Clean Water Services each year as a result of annexations. These annexed areas may have experienced a lesser level of service for sanitary sewer and occasionally need to be maintained, replaced, and/or improved for the benefit of existing and new development.

Much of the staff time will be dedicated to the program for replacement/renewal of existing sanitary sewers funded by a surcharge on the monthly sewer service charge established by City Ordinance 4371 in November 2005. This program of annual capital improvements is intended to replace/renew sanitary sewer lines which have reached the end of their useful life. The list of sewer lines to be replaced in the 30-year period is an estimated 30 lineal miles of lines in various locations in Beaverton. Staff in this program will plan, design, and manage construction contracts for the planned capital improvements. All existing sewer lines will be monitored using information reported by the Operations group and other sources to maintain an inventory of the highest priority sewer lines to be replaced.

Much of the staff time will be dedicated to the replacement/renewal of existing sanitary sewers. The list of sewer lines to be replaced in the 30-year period is an estimated 30 lineal miles of lines in various locations in Beaverton. Staff in this program will plan, design, and manage construction contracts for the planned capital improvements. All existing sewer lines will be monitored to maintain an inventory of the highest priority sewer lines to be replaced.

More emphasis will be placed on methods and procedures to remove sources of infiltration (ground water leaking into the sanitary sewer system), inflow (stormwater entering into the sanitary sewer system), and inappropriate crawlspace sump pump connections (sump pumps located in crawlspaces of homes connected into the sanitary sewer system not allowed by the plumbing code).

The sanitary sewer utility locate needs will likely remain steady or increase as more development and redevelopment takes place throughout the City. The ongoing process of improving the utility maps provided to the contract utility locating company is expected to improve the accuracy of locates.

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - OPERATIONS
PROGRAM: 0753 SEWER SYSTEM MAINTENANCE	PROGRAM MANAGER: GARY BRENTANO/TERRY PRIEST

Program Goal:

Provide a wastewater collection system that provides a safe and reliable conveyance mechanism for wastewater materials. Complete annual inspections of public wastewater lines to satisfy the requirements of the Clean Water Act as administered by the Oregon Department of Environmental Quality (DEQ) and Clean Water Services. Eliminate wastewater system blockages and surcharges by routinely inspecting known problem areas of the lines and by actively managing a program to eliminate the discharge of fats, oils and greases into the City's wastewater system.

REQUIREMENTS	FY 2004-05 ACTUAL	FY 2005-06 ACTUAL	FY 2006-07 BUDGETED	FY 2007-08 PROPOSED	FY 2007-08 ADOPTED
POSITION	6.10	5.94	5.94	6.94	6.94
PERSONAL SERVICES	\$476,290	\$498,381	\$526,268	\$603,504	\$603,504
MATERIALS & SERVICES	675,528	720,767	725,018	762,563	762,563
CAPITAL OUTLAY	0	5,065	26,600	71,000	71,000
TRANSFERS	580,710	590,863	572,086	633,631	633,631
CONTINGENCY	0	0	6,116,012	5,451,449	5,451,449
TOTAL	\$1,732,528	\$1,815,076	\$7,965,984	\$7,522,147	\$7,522,147

Key maintenance activities include cleaning the sanitary sewer collection system with high velocity water pressure, video scanning the trunk lines with self-propelled closed circuit cameras, removing roots through chemical treatment, assisting citizens with specific problems and, tracking and maintaining data on a computer management system for future use by citizens, contractors and other City departments.

SEWER INVENTORY SUMMARY

	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
Lineal feet of Sewer Lines	1,350,640 ft	1,390,065 ft	1,400,002 ft	1,416,956 ft
Number of Manholes	6,888	7,088	7,321	7,673
Number of Clean-outs	767	789	499	497

Program Objective (services provided):	FY 2004-05 Budgeted/Actual	FY 2005-06 Budgeted/Actual	FY 2006-07 Budgeted/Revised	FY 2007-08 Adopted
Perform annual inspections & maintenance to ensure system reliability and to satisfy regulatory requirements.				
Routine Line Cleaning: Clean & remove debris from the sanitary sewer system every 3 years.	443,918 lf / 494,621 lf	463,355 lf / 650,500 lf	469,848 lf / 469,848 lf	472,319 lf
Non-Routine Line Cleaning: Lines that have recorded problems (roots, flat grade, under capacity) require more frequent cleaning. The Fats, Oils and Greases (FOG) program has reduced frequency for some lines.	198,986 lf / 144,000 lf	149,240 lf / 138,000 lf	138,000 lf / 138,000 lf	138,000 lf

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - OPERATIONS
PROGRAM: 0753 SEWER SYSTEM MAINTENANCE	PROGRAM MANAGER: GARY BRENTANO/TERRY PRIEST

Performance Measures:	FY 2004-05 Projected/Actual	FY 2005-06 Budgeted/Actual	FY 2006-07 Budgeted/Revised	FY 2007-08 Adopted
Total annual footage of Video inspections of the sanitary sewer system	189,490 lf / 334,000 lf	190,250 lf / 202,862 lf	201,365 lf / 210,000 lf	202,422 lf
Total footage of pipe inspected per month	15,790 lf / 27,823 lf	15,855 lf / 16,905 lf	16,780 lf / 17,000 lf	16,868 lf
Percent of sanitary system inspected per month	1.2% / 2.5%	1.2% / 1.2%	1.2% / 1.2%	1.2%
Percent of sanitary system cleaned per month	2.8% / 3.0 %	3.6% / 4.7%	3.6% / 3.6%	3.6%
Total footage of pipe cleaned per month	36,868 lf / 40,000 lf	51,049 lf / 65,708 lf	49,820 lf* / 50,654 lf	50,859 lf
Number system repair & maintenance activities per year including root removal	48 / 56	48 / 52	48 / 48	48

* Reduced amount due to effective Fats, Oils and Greases (FOG) program.

Performance Outcomes:

Under the Intergovernmental Agreement with Clean Water Services, the City agrees to clean the entire sanitary sewer system a minimum of every three years and to conduct video inspections of the system every seven years. Annual cleaning of 610,309 feet of sewer lines and video inspection of 202,422 feet of sewer lines each year are necessary to satisfy the City's obligations. In addition to annual cleaning and scanning efforts, problem lines are cleaned more frequently. Lines with root problems are chemically treated or roots are cut to reduce the potential for blockages in the sanitary sewer system. The Sewer section also cleans and inspects newly installed pipe systems associated with new development and capital improvement projects to assure proper construction and installation procedures were used.

Program Trends, Needs and Performance:

As the lines and structures in the sanitary sewer system age, more routine maintenance and repair are necessary to reduce ground and surface water infiltration, maintain proper gravity flow in the system, and eliminate leaking from joints and damaged pipe. The Storm and Wastewater Construction Section was established to complete larger repair and replacement projects. Routine repairs such as specific pipe and joint replacement, root removal, manhole rehabilitation and sealing continue to be performed by the Sewer section.

To reduce the number of grease related blockages and the associated maintenance costs, a Fats, Oils and Grease (FOG) program has now been active for more than three years. Businesses that are required to have grease traps and/or interceptors have been inspected. The Sewer staff has contacted apartment owners in areas with known maintenance problems. The FOG program has resulted in a reduction in the frequency of scheduled non-routine line cleaning by 25%. During the past two years a total of 1,082 inspections have been performed, 99 grease traps and interceptors have been installed and a total of 6 tons of grease has been removed prior to being discharged into the sanitary sewer system. Purchase of a pipe bursting machine will allow staff to begin a sanitary sewer lateral replacement program in conjunction with trunk line rehabilitation work. Replacing sanitary sewer lateral lines reduces inflow and infiltration which can adversely affect sewage treatment plant functions during peak precipitation seasons. Consequently, Clean Water Services routinely participates in sharing the cost of such sewer lateral replacement efforts.

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - OPERATIONS
PROGRAM: 0757 SEWER CONSTRUCTION	PROGRAM MANAGER: GARY BRENTANO/KEITH STONE

Program Goal:

To improve the City's sanitary sewer infrastructure with a cost-effective repair program including line repair and replacement, catch basin and manhole repair and replacement, reshaping and silt removal of drainage ways and detention ponds, correction of chronic system problems and other related construction activities, in support with City Council goals.

REQUIREMENTS	FY 2004-05 ACTUAL	FY 2005-06 ACTUAL	FY 2006-07 BUDGETED	FY 2007-08 PROPOSED	FY 2007-08 ADOPTED
POSITION	2.25	2.25	2.50	2.50	2.50
PERSONAL SERVICES	\$184,959	\$190,628	\$228,120	\$237,464	\$237,464
MATERIALS & SERVICES	16,761	30,114	46,836	36,750	36,750
CAPITAL OUTLAY	105,856	97,586	0	200,000	200,000
TRANSFERS	625	0	62,500	0	0
TOTAL	\$308,201	\$318,328	\$337,456	\$474,214	\$474,214

Program Objective (services provided):

Perform structural repairs to improve performance of the sanitary sewer system and to maintain system integrity.

	FY 2004-05 Actual/Revised	FY 2005-06 Actual/Revised	FY 2006-07 Budgeted/Revised	FY 2007-08 Adopted
Repairs to existing sewer lines	20 / 4	25 / 10	10 / 0	5
Installation of new structures to maintain system integrity	10 / 0	12 / 1	15 / 1	3
Rehabilitation projects	2 / 1	2 / 1	2 / 0	1
Footage of new pipe replaced to maintain system integrity *			2,615	800

** indicates new program objectives*

Performance Outcomes:

A dedicated program to repair and replace deficiencies within both drainage facilities will reduce long-term liabilities from system failures. Coordination with Engineering Department has resulted in additional in-house projects at reduced cost to rate payers.

Program Trends, Needs and Performance:

This program has instituted routine construction to rehabilitate, repair, and replace deficient or failing water and/or sewer lines. Previously, the City only reconstructed the most severe line failures or those lines that were in the right-of-way as part of a street overlay project. This new program will take advantage of the expertise in our Engineering Department for line replacement projects and it will require some specialized equipment that initially will be rented or leased for certain tasks.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2007-08 BUDGET

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: 3XXX SEWER PROJECTS	PROGRAM MANAGER: DAVID WINSHIP

SANITARY SEWER PROGRAM

For a complete narrative of the budget process for Sanitary Sewer Construction Projects, refer to page 62.

Increased-Capacity Projects


Recommendations made in the City's January 2004 Sanitary Sewer Collection System Master Plan and a 1995 Clean Water Services master plan are used by City staff to determine which projects are necessary to increase the capacity of the sewer system to serve new development and redevelopment aging and/or underdeveloped land. In FY 2007-08, construction of increased capacity sanitary sewer improvements will occur in the South Central "C" (Menlo Dr from 6th St to Allen Blvd.) area, on Allen Blvd. from Hall Blvd. to Alice Lane, and in the West Slope area.

Replacement Projects

The City's sewer system is comprised of approximately 265 miles of piping ranging in size from 6 to 21 inches and 7,321 manholes. Much of the pipe in older sections of the City and some newly annexed areas is nearing or exceeding 65 years of service, which is considered as the useful life of sanitary sewers. Currently, City staff is evaluating all the older sewer lines with TV inspection. Once complete, a detailed rating of all older pipes will allow for a systematic time line on the replacement of each pipe. In FY 2007-08, improvements will occur in 1) the South Central "A" area bounded by Allen Blvd., Lombard Avenue and Hall Blvd. on 12th Street, 13th Street, 14th Street and 9th Street, 2) Tualaway Avenue from Electric Street to just south of Canyon Road, 3) Alger Avenue from 5th Street to 9th Street, 4) Allen Blvd. from Hall Blvd. to Alice Lane, and 5) Franklin Avenue from 5th Street to 9th.

City of Beaverton
CIP Financial Plan - Sewer
FY 07/08 Adopted

Projects	Funding Sources				Total for Fiscal Year
	SDC	Sewer Svc Sale	Renewal & Rehab	IGA w/CWS	
Estimated Beginning Balance, 07/01/07	3,280,304	3,536,520	750,228		7,567,052
Estimated Additional Resources, FY 07/08	501,724	332,186	730,486	815,000	2,379,396
Total Available in FY 07/08	3,782,028	3,868,706	1,480,714	815,000	9,946,448
Projects for FY 07/08					
SDC Projects:					
3811					
141st Ave. Trunk Sewer Imp. (Lisa Ln to 141st Ave.)	1,200,000				1,200,000
South Central "C" (6th to Allen, Erickson to 141st)	860,000			300,000	1,160,000
West Slope Sanitary Sewer Renewal/Rehab	370,000				370,000
Alger Avenue Upgrade	50,000				50,000
Tualaway Avenue Sewer Improvement	29,400				29,400
Program 3811 Total					2,809,400
Rehab Projects:					
3850 Allen Blvd. Improvements Ph 2, Sanitary Sewer, 50% CWS		322,500		322,500	645,000
South Central "A" Utility Improvement (and 9th St.), 50% CWS		192,500		192,500	385,000
Tualaway Avenue Sewer Improvement		180,600			180,600
Alger Ave Utility Improv. (N. of Allen Blvd.)		55,000			55,000
Alger Avenue Upgrade		50,000			50,000
Program 3850 Total					1,315,600
Renewal & Rehab Projects:					
3852 West Slope Sanitary Sewer Renewal/Rehab			370,000		370,000
Program 3852 Total					370,000
Total Project Costs in FY 07/08	2,509,400	800,600	370,000	815,000	4,495,000
Operating Contingency, 2-months' operation		411,732			411,732
Estimated Ending Balance @ 6/30/08	1,272,628	2,656,375	1,110,714	0	5,039,717

 Note: Shaded projects are to be completed by city workers, application or installation of materials only.

City of Beaverton
CIP Financial Plan - Sewer
FY 08-09 Proposed

Projects	Funding Sources				Total for Fiscal Year
	SDC	Sewer Svc Sale	Renewal & Rehab	IGA w/CWS	
Estimated Beginning Balance, 07/01/08	1,272,628	2,656,375	1,110,714		5,039,717
Estimated Additional Resources, FY 08/09	552,615	55,000	790,094	350,000	1,747,709
Total Available in FY 08/09	1,825,243	2,711,375	1,900,808	350,000	6,787,425
Projects for FY 08/09					
SDC Projects:					
3811 Looking Glass Subdiv. Util. Imp., Phase 1 Construction	250,000				250,000
Looking Glass Subdiv. Util. Imp., Phase 2 Design	30,000				30,000
Alter Trunk, Downtown Area	276,000				276,000
Erickson Creek @ Farmington/Menlo, water quality facility	80,000				80,000
Royal Woodlands Subdiv. Util. Imp., Design	50,000				50,000
Small Works Projects	100,000				100,000
Program 3811 Total					786,000
Rehab Projects:					
3850 Looking Glass Subdiv. Util. Imp., Phase 1 Construction		360,000		350,000	710,000
Looking Glass Subdiv. Util. Imp., Phase 2 Design		30,000			30,000
Royal Woodlands Subdiv. Util. Imp., Design		50,000			50,000
Small Works Projects		100,000			100,000
Program 3850 Total					890,000
Renewal & Rehab Projects:					
3852 So. Central Area H Sanitary Sewer Improvements			456,000		456,000
Total Project Costs in FY 08/09	786,000	540,000	456,000	350,000	2,132,000
					0
Estimated Ending Balance @ 6/30/09	1,039,243	2,171,375	1,444,808	0	4,655,425

